

APPENDIX B

COST ANALYSIS OF EXTERNAL AND IN-PARK MATERIAL SOURCES

Hart Crowser conducted an economic evaluation to compare the cost of using gravel from various source sites within and outside the park. The process for and results from this analysis are summarized in Chapter 1 of the EA. Appendix B includes two tables documenting the summary results of the cost analyses. The analysis estimated the cost of obtaining mineral material from external sources versus in-park sources based on the combined material cost and transportation distance. Whether the gravel would be transported by NPS personnel or by a contractor also affects the cost of using an external source. Consequently, the cost analysis included one set of tables reflecting costs with contractor transport of the material, and a second set showing costs with NPS transport. These results are provided as Tables B1 and B2; Table B1 summarizes the cost, miles traveled, and volume of gravel to be used for the various alternatives using outside contractors. Table B2 summarizes the cost, miles traveled, and volume of gravel to be used for the various alternatives using NPS personnel and equipment for hauling.

Tables B1 and B2 are the summary worksheets from very large Excel workbooks that each include seven separate worksheets; each workbook also includes a worksheet for each alternative and a worksheet listing assumptions used in the analysis. The detailed tables for each alternative are not included in Appendix B because they include a large volume of information. The summary tables identify gravel volumes and costs by year, source site and alternative, however, and are sufficiently detailed for review of the EA. (The summary tables also identify the total vehicle miles required to transport material by truck for each year and alternative.) The complete set of cost analysis tables is available from the NPS by request.